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BULLETIN

OF THE

CALIFORNIA STATE



FERRY BUILDING,

LEWIS E. AUBURY, STAT SHOWING BY COUNTIES THE MINERAL PRODUCT

COMPILED BY CHARLES G. YA

			METALLIC.										N=NIET	ALLI	HYDROCAR AND GAS						
COUNTIES	PRECIOUS METALS, as per returns to p s. mint at san francisco GOLD SILVER		r s. MINT AT COPPER.			QUICKSILVER.		MISCELLANEOUS. ANTIMOVY, MINERAL PAINT, LEAD, MANGANESE, CHROME, AND PLATINUM.		RAX.	II OAL.		MINERAL WATERS		. SALT		MISCELLANEOU'S. FULLER'S EARTH, ASB TOR, GYPSUM, PYBIT FORWMALINE, QUAR 6 RYST VIS, EITHER ME SODA, M GENESITE, TO OBOUSE AND GREEN AND GREEN		ASPH BITUMI AND NA		GA;
	Value.	Value.		Value.	Plasks.	Value	Ouantity	Value.	Tens	Value	ons.	Value.	Gallons	Value	Tons.	Value.	Quantity.		Quantity.	Value.	Į,
Alameda			13,728	\$2,162			for. 423	M mganese. \$4,365			87,424	\$262,272			114,450	\$324,136	fons M 190 Tons P	agnesite \$1,100 yrıtes.	(
Alpine	\$23,568	\$2,860	8,377	1,319						· ·							(c)4,500	18 000			
Amador	1,823,827	7,444	52,000	8,190							25,000	30,000					•				
Butte	864,978	4,634						Mineral Paint			···		10,400	*1,455							
Calaveras	2.024,685	44,687	1,701,389	268,000													. 4,000	17,500			
Colusa	1,800				(b) 235	\$10,575							92,200	20,220	18	270					
Contra Costa											35,000	100,000	12,000	1,900				·			
Hel Norte	10,612			• • • • • • • • •								·								••••	
El Dorado	292,036	5,977																			
Fresno	21,462		1.159,672	182,648									5,142	5,142							. (r)5:
Humboldt	98,487	128					Lbs	Lend			 -		7,825	2,000			Tons S				
Inyo	162,406	56,578	8,566				601,000	24,040	2,425	\$24,250							8,000 4			Asphaltum	
Kern	1,007,059	40,497	429,248	67,606		}	Tons 50 1,500 Lbs.	Antimony. \$8,356 Lead, 6-	1 1								tons Fulle 1,000	19,500	3,112	\$43,126	3,90
Kings																					
Lake					4,395	211,324							201,706	120,360							
Lassen	5,900																Tons 3	ypsum.	anotons :	\sphul 152,838	
Los Angeles																				Natl (= 3, 1,500	2,:10-
Madera	82,749	2,600	108,430																		
Marin							l.bs.	Lead.													
Mariposa	504,928	4,787	191,622	30,180			,	,	'												
Mendocino																					
More		25,091	79,071 1.938	305			Lls.	Lead 1 100									•				
Monterey		20,001					2	-,.00				1,000	15,000								
Napa												,					Tons M	agnesite.			
		40.400		e 1995	*,***								,	7-1-			Tons I	,		_	

TIN No. 25

OF THE



MINING BUREAU,

*

SAN FRANCISCO.

Y, STATE MINERALOGIST.

DUCTIONS OF CALIFORNIA FOR THE YEAR 1901.

ES G. YALE, STATISTICIAN.

RETURNS BY PRODUCERS.)

IYDROCARBONS AND GASES.								STRU	JCTUR2	AL NI	ATERI	ALS.			,	TOTAL PRODUCT OF COUNTIES.			
ALTUM, OUS ROCK. URAL 6 \S.	US ROCK. PETROLEUM.		AND H	LAYS YDRAULIC MENT.	SANDS AN GRAN	STONE SD SITE.	LI		STONE.		MACADAM		$\begin{array}{c} \text{RUBBLE} \\ \text{AND} \\ \text{PAVING BLOCKS.} \end{array}$			LANEOUS, NE, MARBLE, D GLASS SAND, D SOAPSTONE,	1901.	COUNTIES.	<u> 1</u> 900.
Value	Bbls.	Value.	Quantity.	Value.	Cubic Feet.	Value.	Bbls.	Value.	Tons.	Value.	Tons.	Value	Quantity.	Value.	Quantity.	Value.	Value.		Value.
				Brick. \$67,130							. 115,029	\$106,576	Tons 500	Rubble.	25		\$786,366	Alameda	*639,771
																	27,747	Alpine	
	· · · · · · · · · · · · · · · · · · ·		10,050 tons												Cu, ft 2,945	Marble. \$4,630	1,888,191	Amador	1,479,000
			800 M	Brick. 7,200			1,500	\$1,500									879,767	Butte	500,786
												· - • • • • · · · · ·					2,855,372	Calaveras	1,905,856
			270^{M}	2,160	88,981	Sandstone. \$80,082											115,107	Colusa	13,930
																	101,900	Contra Costa	146,900
																	10,612	Del Norte	3.453
							11.000	11,000							Squares 5,100	Slate. 38,250	347,263	El Dorado	426,420
	(e)525,433	\$236,444	5,000														480.696	Fresno	609,847
			$^{ m M}_{1,005}$	Brick. 7,810								· • •					108,425	Humboldt	118,827
																	668,618	Inyo	420,586
\$43,126	3,902.125	1,131.616	4.600				62,000	82,700									2,423,918	Kern	1,867,856
				5,000								•					5,000	Kings	5,000
																· · · - • • •	331,684	Lake	172,745
																	6,100	Lassen	20,483
sphal, 152,838 (t'l Gas, 1, 5 00	2,304.432	1.062,038	130 tons		3,575	,					25,000	23,000	$(h)\ 107,459$	Rubble 53,72	9) 89 Tons.	Serpentine. 590 Soapstone.	1.642,591	Los Angeles	2,155,198
			500	, -	96,716	Granite. 294,799					. . = =		2,400		0	119	400,825	Madera	268,467
				Brick. 100,240							550	825		Rubble. 27,16	2		128,227	Marin	202,500
																	542,975	Mariposa	171,516
			200^{M}	Brick. 2,500													10,720	Mendocino	8,448
												- -					12,453	Merced	
							2,000	3,000					 				522,911	Mono	752,121
									(g) 5,463	\$7,500	3,407	2,503	Tons 10,610	Rubble. 6,36		Glass Sand. 15,750	50,169	Monterey	19,175
									8,919	6,690							516,388	Napa	493,100
																	9 145 840	Nevada	1.916.899

Mont	493,355	25,091	1,938	305			21, 5000 21, 5000	Lead 1,16	30												
Monterey	13,800																				.
Napat					7,798	388,176							158,830	109,900	.			Magnesite. 11,622			
Neyada	2,121,054	18,122	39.588														Tons 78	Pyrites. 429			
Orange	4,000										300	1,500					Tons 25	Gypsum. 250			
Placer	900,745	4,828	11,200	1,764																	١,
Plumas	401,284	2,508					Tons 2	Manganese.	40												
Riverside	109,747	2,150									2,800	7,000			4,000	12,000		Asbestos. 4,400			
Sacramento	229,031	544	2,007	316					· • · · · · · · · · · ·								T 300	3.000	,		
San Benito					4,800	242,300							500	125					Tons 1,000	Bit. Rock. 2,630	1
San Bernardino	399,693	57,164	50,000	7,875			Lbs 500	Lead 20	5,111	664,430	1						1.bs. 500	Turquoise. 20,000			
San Diego	118,320	6,004							(-11.683	233,700)					9,620	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	thia Mica. 27,500 maline.	(
San Francisco																	(Lbs. 500	20,000)		
San Joaquin																				Natural Gas. 60,456	
San Luis Obispo																			\$ 2000 tons	Vs. reloct 30.000	1
San Mateo																			Tons	Asphaltum,	
Santa Barbara													113,780	60,200						Asphal, 55 ,800 Nat'l Gas, 4 35	
Santa Clara.					5,220	236,608							55,000	8,500			Tons 50	Magnesite 300	Tons.	Asլժա ևս ու 25 5	,
Santa Cruz																			Pens	Bit. Bock.	Į
Shasta	927,975	891,994	30,990,781	4,881,048			Tons 130	Chrot * 1,9	50				26,295	7,644							
Sierra	575,427	7.55																			
Siskiyou	886,043																				
Solano																					
Sonoma														17,691			Tons 64	Graphite, 4,480	; /		
Stanislaus		,					Tons	Mineral Pai	int								(175	1,225 Magnesite	e		
Tehama													20,000				100	600			
Trinity	684,688	2,668	4,838	761	1,302	58,668															
Tulare	14,616	100															Tons	Magnesite	e,		
Tuolumne	1,670,368						Lis	Lead													
Ventura	4,183																		Tours	. Asplad tum 3 0, 948	5
Yolo											•										
Yuba	188,908	846																			
Unapportioned (k)						}	11,000 Lbs. 250 Ozs.	Lead, Platmum, 3	\$140 / ,200 · \											Nat at d Gas. 29,640	
					-																ï

MISCELLANGUE TOTALS -METALLIC.
 Antimony
 50 tons

 t brone
 130 tons

 Lead
 720,500 pounds

 Manganese
 425 tons

 Mineral Paint
 325 tons

 Platinum
 250 ounces
 \$8,350 1,950 28,820 4,405 57.5 3,200

MISCELLANGOUS TOTALS,-NON-M Asbestos
Fuller's Earth
Graphite
Gyjesini
Lithia Mica
Magnesite
Pyrites
Quartz Crystals
Soda
Tourmaline
Turquoise

\$47,600

Tons are of 2,000 pounds. Spot values.

Counties not mentioned made no mineral production during 1901.

*This Bureau has never independently collected statistics of precious metal output, but has used totals and distribution by county, as obtained at the United States Mint, San Francisco.

(a) Coining value

(b) Flasks of 70½ pounds.

(c) Utilized for Sulphur contents.

(d) Value of that commercially used.

(e) Barrels of 42 gallons. Prices, average F, O E, at wells.

⁽f) Includes common, pressed, and fire.
(a) For smelting-flux, beet-sugar manufacture, and paving.
(b) For sea-walf construction railroad and concrete work, etc.
(c) So-called Basalt Blocks.
(d) So-called Basalt Blocks.
(e) Unapportioned includes product of single mines, etc., in counties, so as to conceal their identity; and also includes estimates of product of properties known to be working, but from which no returns were obtained.

		į																12.453	Merced	
		,					2,000	3,000											Mono	752,121
									$(g)\ 5,463$	\$7,500	3,407	2,503	Tons 10,610	Rubble.	6,366	Tons G 4,500	lass Sand. 15,750	,	Monterey	19,175
									8,919	6,690						.		516,388	Napa	493,100
																		2,145,840	Nevada	1,916,899
	302,652	181,591																187,341	Orange	259,174
			Tons 15,000	Pottery. 15,000	40,922	Granite. 89,874							51,894	Rubble.	12,973 .			1,025,184	Placer .	1,128,882
																		403,832	Plumas	369,379
			$3,201 \mathrm{\ M} \\ 30,489 \mathrm{\ tons}$	Brick 89,787 Pott'y 16,624		51,900 ,	18,000	18,000					600	Rubble.	1,500	(j) 500	uartz Sand 500	316,608	Riverside	285,112
				Brick. 62,180	2,635	Granite. 2,882					22,543	6,763	$^{ m Tons}_{ m 8,000}$	Rubbłe.	1,163			302,882	Sacramento	259,439
Bit Rock. 2.630 _											20,328	10,164						255,219	San Benito	205,650
			500 M	Brick 15,000 Cem't 159,842	1	tiranite.	38,783	43,028		76,710		3,300	(i) 180 M / 297,695 tons	Rubble,	(8,7,400 / 151,447 \			1,844,239	San Bernardino	1,965,143
			м 1,158	Brick. 5,791	13,900	Granite. 22,400							Tons 11,599	Rubble,				514,522	San Diego	402,061
											127,500	142,500	Tons 144,652	Rubble.	14,447			156,947	San Francisco	58,400
Natural 6 a 60,456 .			$^{M}_{2,000}$	Brick.														80,456	San Joaquin	39,862
Asphal 000 Bit R'k, 070	į.		м 650	Brick. 5,200									- 						San Luis Obispo	85,626
Asphaltu .			M 500	Brick.														15,725	San Mateo	16,500
Asphal. 55,800 Nat'l Ga- 435)	113,385	$^{ m M}_{1,250}$	Brick. 9,825	72,000	Sandstone. 27,100					-			Rubble.					Santa Barbara	528,408
Asphalti	, ,		M	Brick	60,000	Sandstone. 80,000					800	917						421.150	Santa Clara	497,386
Bit Roci 30-654				Pottery.				161,500	3,845										Santa Cruz	191,091
01.001				Brick. 12,000	2.000	Granite. 2,000	21,600	12,960	•	,								•	Shasta	5,574,026
			0,000	12,000		-,	,	,											Sierra	663,159
																		,	Siskiyou	1,010,383
	,							1.000	4,500	4,950	20,000	1,200		Paying.	Blocks.				Solano	24,700
				Erick. 1,200		Granite		,	1,000	•	,	10,226		Paving .	,				Sonoma	157,135
			100	1,200	-10	,,,,,,,,,					10,22	7.1,220	2,10		02,010				Stanislaus	21,405
	,		М 300	Brick														,	Tehania	2,200
				,	6,870	Granite.													Trinity	698,689
			М	Brick	9,000	Granite.												69,526	·	21,566
			1,600	8,600	9,000	18,000												,		1,659,255
Asphaltum						Sandstone			<i></i>				Tons	Rubble.					Tuolumne	476,161
30,945	472,057	236,028			4,220	Sandstone.							67,054		16,764				Ventura	1,760
				·	1,540	2,300													Yolo	
Natural Gas																			Yuba	254,631
29,640																		33,280	Unapportioned	1,406,803
\$471,607	7,710,315	\$2,961,102		. \$1,059,474		\$711,417	317,383	\$334,688	76,937	\$99,445	360,883	\$313,974		8	8368,138		\$60,139	\$34,355,981	Totals	\$32,622,945
lue Hydrocarbo –	ons and Gases -	, \$3,432,709.						Tota	l value Struc	tural Mate	rials, \$2,9-	17,275. -						1901.		1969),
	on-Metallic. 110 i 1,000 -64 3,875 1,100 4,726 4,578 i 4,070 poin 5,000 o 500 pou	tons 4,488 tons 38,750 tons 27,500 tons 43,057 tons 18,425 inds 17,500 tons 400,000 ands 20,000 inds 20,000	0 0 0 7 7 9 0 0 0		ELLANEOUS To		2	1,364 tons 1,052 tons	\$313,219 66,354 92,034 \$471,607	Marble Paving Bloc Quartz Sand Rubble (inc Serpentine Slate	ks l ludes ('oncr	ete)	-Structural M 2,9	4,500 ton 45 cubic fee 1,920 ton 500 ton 869,513 ton 89 cubic fee 5,100 square	et 4,63 M 41,07 is 50 is 327,06 at 8,23 28 38,23	50 Briel 30 Ceme 75 Clay 50 50 50 Gran 19 Sand	k (Common, I ent (Hydrauli for Pottery, 8 nite istone	Pressed, and Fire ic)	AND CLAYS FOR BRICK, POTTER 1 130,765 M 171,80 Darrels 55,679 tons DSTONE AND GRANITE 214,943 cubic feet 226,741 cubic feet	\$500,488 159,842 39,144 \$1,059,474 \$519,285 192,132 \$711,417
	Pou	\$613,618	-													P	rinted at the	State Frinting O	tlice, Sacramento. A. J. Johnsto	os, Supt.

